

Ch 5 Test tomorrow!

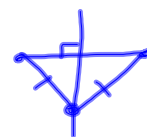
5.1 Midsegment thm
Coordinate Proof



5.2 \perp Bis. thm

Circumcenter

-equidistant to vertices

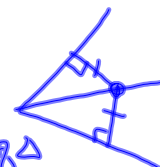
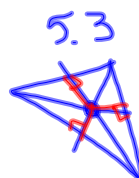


5.3

Angle Bis. thm

Incenter

-equid. to sides of Δ



5.4 Medians

Centroid



$\frac{2}{3}$

$$AG = \frac{2}{3}AB$$

$$GB = \frac{1}{3}AB$$

$$BG = \frac{1}{2}AG$$



3 Altitudes
Orthocenter

5.5 Inegu in Δ

Thm 5.10

Thm 5.11



C: $m\angle 2 > m\angle 1$



C: $AC > AB$

def of inegu.

$$AC = AB + BC \text{ thm } AC > AB$$

Ext \angle Ineg thm

Δ Ineg thm

5.6 Ineqs in Δ s

Hinge thm

+ Converse
(must have 2 \cong sides)

Indirect